

Product datasheet for **RN205981**

Cntnap5b (NM_001047873) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cntnap5b (NM_001047873) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cntnap5b
Synonyms:	Caspr5-2; Caspr5-3; Cntnap5c; RGD1565194
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN205981 representing NM_001047873 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGATTTTGTACCAAGACTGAACAGCGTTTTGACTTTGGTGCTGTCTGGTTTGTGGCATTGTTGGATTAA
CAGCGACAAATTGTGACAACTGTGATGACCCTTTGGCCTCCTTTCTCTCACTGAGAGCTTTCTCCAGCTC
CTCCGATGTCACTGGAAGTTCAGCCCCGCTCACCTCACTGGAGAATGGGAACAGGTGGTTGGTCCCCA
GCATATCCAATGCCAACAGTGGCTCCAGATTGATCTTGAAACAGAGTGGAGATTACAGCAGTGGCCA
CTCAGGGAAGATATGGGAGTTCTGACTGGGTGACAAGCTATCGTCTCATGTTCACTGACACTGGACAA
CTGGCAGGAGTACAAACAAGAAGACAACATCTGGACATTTGTAGGAAACATGAATGCTGACAGTGTGGTT
CACCACAAGCTGCTGCACTCTGTGAGAGCCCGCTTTGTTGCGCTTTGTGCCCTGAAGTGGAAATCCAGATG
GAAAGATAGGCATGAGAAATGGAAGTCTACGGATGTTTCTACAGATCAGATGTAGCTGACTTTGATGGCCA
TAGCTCACTATTGTATAGGTTCAATCAGAAGACAATGAGCACCCTCAAAGACATGATTTCCCTGAAGTTC
AAGAGCATGCAAGGAGATGGAGTTTGTCCATGGGGAAGGACAACGTGGAGACTACATTACCCTAGAAC
TCCAGAACGGCAGACTTGCTCTATACTTAACTTAGATGGAGGCCAAGCTCGGCTCAGCAGCATTGCACC
CTCAGCCATTCTGGGTAGCCTTCTGGATGACCAGCAATGGCACTCAGTTCTCTGGAACGTGTGGCAAG
CAGACAACTTCACTGTGGACACAAACACAGAGCACTTCCAGATCAAGGCTGAGACCGATGCTCTGGACA
TCGATTATGAACTCAGTTTGGAGGAATTCCAATACCAAGCAAACCTGGGACCTTTTAAAGAAAAGCTT
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CAGATCTACTCAGGCAATGTCACTTTTTCTGCTCAGAACCACAAATTGCCCCATCACATTTGTCAATT
CCAGGAGTAGTTATTTGCTGCTGCCCGGCACTCCACGAATTGATGGTCTGTCACTGAGCTTCCAGTTTGC
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GTGGCTTGAATGATGGCCTCTGGCATTGTCAGCATCAATGCCAGAAGAAATCGTGTACTCTCACACT
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TTTGGAGGGTGCCCTGACAATCTCACCGATTCCCAATGCTTAAACCCCATTAAGGCTTTCCAAGGCTGCA
 TGAGGCTCATCTTTATTGATAACCAAGGACCTCATTTCAGTTTACAGCAAGGTTCCCTGGGGAATTT
 TAGTGATTTGCACATTGATCTGTGTAGCATCAAAGACAGGTGTTTGCCAACTACTGTGAACATGGAGGA
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 TTGTTTCAGTCTCCTTCTCCTCTGAATGACAACCAATGGCATTACATCCAGGCTGAGAGAAACCTAAGGA
 GACTTCCTTGAAGTAGACAACCTTTCCAAGGATTATGAGAGAGACCACAGAGAAAGGCCATTTCCAACCT
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 CCCTACACTTGAATGGGAGAGACATAGATCTGGAGGAGAGGGGAATGGTCACTTCTGGAGTCAGACCTGG
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 TGCCAACAGAAGAGTGACCATGTGAAAATGAACAGAGATGGGACAGAACTTTCCATTGAGATGGACCA
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 ATCAGTTCAATACAATCACATAGCGCCATTGAAAGCAGCCCTCCGGCATGCGAGCATCGACCTGCGACT
 GTCCAAGGAGCTTGAGAGAATTCAGCTGTGGCTCCATGGTGGACTCTGATGTGAATGCAGTGACCACTG
 TGTATTCTTCATCAGATCCCTTTGGAAAGACAGATGACCATGATCCACTCACAATGCAGTCTTAAGTGA
 CTCAGCAGTTATTGGAGGTGTCATAGCAGTGGTAACATTTATCACTTTTTGTGTCATTGGAATCATGACC
 CGCTTCTCTATCAGACAAGCAGTCACACTGTACCAGTCAGAAGAAGGAGAAGGAATACTCAGAAAAC
 TGGACAGTTCTTTAGACATGACATTGATTTGCAAAGCACAACCAGCAAGTGCAAACGGGAATACTTCAT
 CTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001047873

Insert Size:

3924 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components:

The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001047873.1](#), [NP_001041338.1](#)

RefSeq Size: 3924 bp

RefSeq ORF: 3924 bp

Locus ID: 301650

UniProt ID: [Q0V8T4](#)

Cytogenetics: 13p12

Gene Summary: May play a role in the correct development and proper functioning of the peripheral and central nervous system and be involved in cell adhesion and intercellular communication.
[UniProtKB/Swiss-Prot Function]